

Claims

What is claimed is:

- 5 1. A double ended staple remover and plier device for completely removing staples from stapled sheets of paper, the device comprising:
- a pair of mating arms facing each other capable of being interconnected by a pivot means, each of the mating arms comprising an elongated rigid shaft having a first end structured in a square U-shaped channel from an outer end along a portion of the length
- 10 of the shaft, the square U-shaped channel having two side walls interconnected by a cross wall along the portion of the length of the shaft, the first end having an elongated tapered tooth at an outer edge of each of the side walls, the elongated tapered tooth arched downwardly from the cross wall and inwardly away from the outer edge of each of the two side walls, the elongated tapered tooth having a sharp point gradually widening out
- 15 to a broad portion where the tooth meets the side wall, each of the pair of mating arms having a first finger grip element on an outer face of the cross wall adjacent to the outer end, one of the mating arms structured to fit inside of the other of the arms so that with the arms pivotally interconnected the first ends are biased apart and two first finger grip elements are capable of being pressed toward each other to enable the points of the
- 20 elongated tapered teeth to be inserted into a staple which is stapled closed to hold together sheets of a material and the two mating arms capable of being squeezed together at the first end to open the staple and capable of pulling at least one side of the staple out of the material, the elongated rigid shaft having a second end formed by an extension of

the two side walls of the first end but not the cross wall, the two side walls spaced apart at the second end with each of the side walls having a row of teeth along an edge of the side wall adjacent to the second end on an opposite edge of the side walls to the edge having the single elongated teeth at the first end, the rows of teeth of one of the mating arms
5 capable of engaging the rows of teeth of the other of the mating arms, the second end having a second finger grip element across the two side walls along the edge of each side wall opposite to the row of teeth adjacent to edge of the second end so that, with the two mating arms pivotally interconnected, the two second finger grips are capable of being pressed toward each other to bring the rows of teeth on each of the mating arms together
10 to grasp a partially removed staple between the teeth for removing the staple;

a spring loaded pivot means capable of interconnecting the two mating arms at a point between the first and second ends so that the first and second ends of the mating arms are normally biased apart.

15 2. The device of claim 1 wherein the mating arms are formed of steel.

3. The device of claim 1 wherein the finger grips are formed of molded synthetic material.

20 4. The device of claim 1 wherein each of the mating arms is provided with aligned openings through each of the side walls midway between the first end and the second end and further comprising a pivot pin secured through the openings to pivotally interconnect

the two mating arms and further comprising a spiral spring around the pivot pin with elongated ends contacting the mating arms so that the mating arms are normally biased apart.